

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

WHAT IS CLAIMED IS:

1. A magnetic tape cartridge comprising:
 - a cartridge case consisting of an upper half and a lower half;
 - a magnetic tape pulling-out port formed at a corner of side wall of said cartridge case;
 - a curved door opening/closing said magnetic tape pulling-out port;
 - a guide groove guiding said door to universally slide in the door's opening/closing directions;
 - a door-side spring hooking portion protrusively provided with said door;
 - a case-side spring hooking portion formed in an inner surface of said cartridge case;
 - a tensile coil spring, of which one end of the tensile coil spring is hooked in said door-side spring hooking portion and the other end of the tensile coil spring is hooked in said case-side spring hooking portion, energizing said door to a closing position of said magnetic tape pulling-out port; and
 - a spring putting platform which is provided neighboring said door-side spring hooking portion, and can place said tensile coil spring temporary built in said door-side spring hooking portion.
2. A magnetic tape cartridge according to claim 1, wherein said spring putting platform slants so that a tensile coil spring placed on said spring putting platform positions at a lower side for a built-in state thereof.
3. A magnetic tape cartridge according to claim 1, wherein a groove regulating said tensile coil spring at a constant position is formed on said spring putting platform.
4. A magnetic tape cartridge according to claim 2, wherein a groove regulating said tensile coil spring at a constant position is formed on said

spring putting platform.

5. A magnetic tape cartridge according to claim 1, wherein when said tensile coil spring is placed, the other end portion of said tensile coil spring is set at a length positioning outside said spring putting platform.

5 6. A magnetic tape cartridge according to claim 2, wherein when said tensile coil spring is placed, the other end portion of said tensile coil spring is set at a length positioning outside said spring putting platform.

7. A magnetic tape cartridge according to claim 3, wherein when said tensile coil spring is placed, the other end portion of said tensile coil spring is set at a length positioning outside said spring putting platform.

10 8. A magnetic tape cartridge according to claim 4, wherein when said tensile coil spring is placed, the other end portion of said tensile coil spring is set at a length positioning outside said spring putting platform.

9. A magnetic tape cartridge assembling method according to claim 1, the method comprising the steps of:

a first step hooking one end portion of said tensile coil spring in said door-side spring hooking portion of said door;

a second step placing said tensile coil spring on said spring putting platform;

20 a third step nearing said door to said guide groove and hooking said other end portion of said tensile coil spring in said case-side spring hooking portion; and

a fourth step fitting said door in said guide groove expanding said tensile coil spring.

25 10. A magnetic tape cartridge assembling method according to claim 9, wherein when nearing said door to said guide groove in said third step, said

tensile coil spring grips said door slanted for said lower half so as to become same in a slant as a built-in state of the tensile coil spring.

11. A magnetic tape cartridge comprising:

a cartridge case consisting of an upper half and a lower half;

5 a magnetic tape pulling-out port formed at a corner of side wall of said cartridge case;

a curved door opening/closing said magnetic tape pulling-out port;

a guide groove guiding said door to universally slide in the door's opening/closing directions;

10 a door-side spring hooking portion composed of a protrusive pole-shaped body from an end portion of said door opening direction side farther toward an opening direction side;

a case-side spring hooking portion formed in an inner surface of said cartridge case;

15 a tensile coil spring, of which one end of the tensile coil spring is hooked in said door-side spring hooking portion and the other end of the tensile coil spring is hooked in said case-side spring hooking portion, energizing said door to a closing position of said magnetic tape pulling-out port; and

20 a spring putting platform receiving said tensile coil spring temporary built-in said case-side spring hooking portion formed in an inner surface of said cartridge case on an upper surface of the spring putting platform, thereby holding said tensile coil spring.

25 12. A magnetic tape cartridge according to claim 11, wherein said spring putting platform comprises a groove regulating said tensile coil spring in a constant position.

13. A magnetic tape cartridge according to claim 12, wherein, on said spring putting platform, said groove extends to a different direction from expanding/contracting directions of said tensile coil spring hooked between said door-side spring hooking portion and said case-side spring hooking portion.

14. A magnetic tape cartridge according to claim 11, wherein when said tensile coil spring is placed on said spring putting platform, the other end portion of said tensile coil spring is set at a length positioning outside said spring putting platform.

15. A magnetic tape cartridge according to claim 12, wherein when said tensile coil spring is placed on said spring putting platform, the other end portion of said tensile coil spring is set at a length positioning outside said spring putting platform.

16. A magnetic tape cartridge according to claim 13, wherein when said tensile coil spring is placed on said spring putting platform, the other end portion of said tensile coil spring is set at a length positioning outside said spring putting platform.

17. A magnetic tape cartridge assembling method according to claim 10, the method comprising the steps of:

a first step hooking one end portion of said tensile coil spring in said case-side spring hooking portion;

a second step placing said tensile coil spring on said spring putting platform;

a third step hooking the other end of said tensile coil spring in said door-side spring hooking portion; and

a fourth step fitting said door in said guide groove.

18. A magnetic tape cartridge assembling method according to claim 17, wherein the other end of a tensile coil spring placed on said spring putting platform is run over outside the spring putting platform.

19. A magnetic tape cartridge according to claim 1, wherein said spring putting platform comprises a plurality of protrusions supporting said tensile coil spring sideways.

20. A magnetic tape cartridge according to claim 11, wherein said spring putting platform comprises a plurality of protrusions supporting said tensile coil spring sideways.